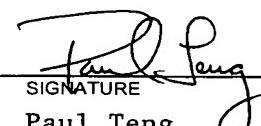


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<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER <b>2271/73634</b> U.S. APPLICATION NO. (if known, see 37 CFR 1.5)
INTERNATIONAL APPLICATION NO. <b>PCT/JP2003/007992</b>	INTERNATIONAL FILING DATE <b>24 June 2003</b>	PRIORITY DATE <b>10/4519826 16 July 2002</b>
<b>TITLE OF INVENTION HEAD CONTROLLER, INKJET RECORDING APPARATUS, AND IMAGE RECORDING APPARATUS THAT PREVENT DEGRADATION IN IMAGE QUALITY DUE TO ENVIRONMENTAL TEMPERATURE CHANGES</b>		
APPLICANT(S) FOR DO/EO/US <b>Hiroshi NODA</b>		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))             <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol>		
Items 11 to 20 below concern document(s) or information included:		
<ol style="list-style-type: none"> <li>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input type="checkbox"/> A preliminary amendment.</li> <li>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input checked="" type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> <li>20. <input checked="" type="checkbox"/> Other items or information: See attached Page 3.</li> </ol>		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/519876</b>		INTERNATIONAL APPLICATION NO. PCT/JP2003/007992		ATTORNEY'S DOCKET NUMBER 2271/73634																									
21. The following fees are submitted:																													
<table border="1"> <tr> <td><input checked="" type="checkbox"/> a) Basic national fee.....</td> <td>\$300.00</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> b) Examination fee.....</td> <td>\$200.00</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td><input checked="" type="checkbox"/> c) Search fee.....</td> <td>\$500.00</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="2"><b>TOTAL OF ABOVE CALCULATIONS =</b></td> <td colspan="2"><b>\$1000.00</b></td> <td></td> <td></td> </tr> </table>						<input checked="" type="checkbox"/> a) Basic national fee.....	\$300.00					<input checked="" type="checkbox"/> b) Examination fee.....	\$200.00					<input checked="" type="checkbox"/> c) Search fee.....	\$500.00					<b>TOTAL OF ABOVE CALCULATIONS =</b>		<b>\$1000.00</b>			
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<input checked="" type="checkbox"/> b) Examination fee.....	\$200.00																												
<input checked="" type="checkbox"/> c) Search fee.....	\$500.00																												
<b>TOTAL OF ABOVE CALCULATIONS =</b>		<b>\$1000.00</b>																											
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.																													
Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)		RATE																									
- 100 =	/50 =			x \$250.00	\$																								
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).																													
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		\$																								
Total claims	9 - 20 =	0	x \$50.00		\$ 0																								
Independent claims	3 - 3 =	0	x \$200.00		\$ 0																								
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.00		\$ 0																								
			<b>TOTAL OF ABOVE CALCULATIONS =</b>		<b>\$1,000.00</b>																								
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by ½.																													
<b>SUBTOTAL =</b> \$1,000.00																													
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)). +																													
<b>TOTAL NATIONAL FEE =</b> \$1,000.00																													
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +																													
<b>TOTAL FEES ENCLOSED =</b> \$1,040.00																													
<table border="1"> <tr> <td>Amount to be refunded:</td> <td>\$</td> </tr> <tr> <td>Amount to be charged:</td> <td>\$</td> </tr> </table>						Amount to be refunded:	\$	Amount to be charged:	\$																				
Amount to be refunded:	\$																												
Amount to be charged:	\$																												
a. <input checked="" type="checkbox"/> A check in the amount of \$ 1,040.00 to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>03-3125</u> . A duplicate copy of this sheet is enclosed. d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.																													
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.																													
SEND ALL CORRESPONDENCE TO:  Customer Number 23432 Ivan S. Kavrukoff, Esq. Cooper & Dunham LLP 1185 Avenue of the Americas New York, New York 10036																													
 SIGNATURE Paul Teng NAME 40,837 REGISTRATION NUMBER																													

10/519876  
DT05 d PCT/PTO 30 DEC 2004

Dkt. 2271/73634

**Page 3 of Transmittal Letter To The United States Designated/Elected Office  
(DO/EO/US) Concerning A Submission Under 35 U.S.C. 371**

20. Other items or information:

cover page of PCT Publication No. WO 2004/007205 A1, copy of PCT Request, copy of Notification Concerning Submission Or Transmittal Of Priority Document, copy of Notification Of Transmittal Of The International Search Report Or The Declaration, copy of PCT Demand Under Chapter II, copy of Written Opinion, copy of Notice Informing The Applicant Of The Communication Of The International Application To The Designated Offices and copy of Notification Of Transmittal Of International Preliminary Examination Report.

10/519876  
DT05 Rec'd PCT/PTO 30 DEC 2004  
Dkt. 2271/73634

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of : Hiroshi NODA

Serial No. : Not Yet Known Int'l Application  
No.: PCT/JP2003/007992

Date Filed : Concurrently Herewith Int'l Application  
Filing Date: 24 June 2003

For : HEAD CONTROLLER, INKJET RECORDING APPARATUS, AND  
IMAGE RECORDING APPARATUS THAT PREVENT  
DEGRADATION IN IMAGE QUALITY DUE TO ENVIRONMENTAL  
TEMPERATURE CHANGES

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450  
ATTN: DO/EO/US

Sir:

**EXPRESS MAIL LETTER OF TRANSMITTAL**

Express Mail mailing label number: EV507948671US

Date of Deposit: December 30, 2004

I hereby certify that the above-identified new application, consisting of three pages of the Transmittal Letter To The United States Designated/Elected Office (DO/EO/US) Concerning A Filing Under 35 U.S.C. 371 (in duplicate), a copy of the International Application as filed [including 45-page specification with claims 1-9, Abstract and 11 sheets of formal drawings (Figs. 1-15)], Declaration And Power Of Attorney (3 pages), Assignment and Recordation Cover Sheet (3 pages total), Information Disclosure Statement (including Form PTO-1449 and copies of references), cover page of PCT Publication No. WO 2004/007205 A1, copy of PCT Request, copy of Notification Concerning Submission Or Transmittal Of Priority Document, copy of Notification Of Transmittal Of The International Search Report Or The Declaration, copy of PCT Demand Under Chapter II, copy of Written Opinion, copy of Notice Informing The Applicant Of The Communication Of The International Application To The Designated Offices, copy of Notification Of Transmittal Of International Preliminary Examination Report, a check in the amount of \$1,040.00 and return stamped postcard, is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR §1.10 on the date indicated above and is addressed to the Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, ATTN: DO/EO/US.

*Jamel Rhabb*  
*Jamel Rhabb*

Mail Room Employee  
Depositing Express Mail Material

Attorneys for Applicant:

IVAN S. KAVRUKOV, Reg. No. 25,161

PAUL TENG, Reg. No. 40,837

Cooper & Dunham LLP

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New York, N.Y. 10036